

ABIGAIL HARMON

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EDUCATION

Texas A&M University | Class of 2022, December

Bachelor of Science in Civil Engineering- Structural

Minor: New Media Emphasis

GPA: 3.711

Dean's Honor Roll

Engineering Honors

WORK EXPERIENCE

Structures Intern, BGE Inc, Summer 2021, Summer 2022

- Served as a member of the BGE state-wide structural team under multiple licensed Professional Engineers
- Specialized and developed hand calculations for large-scale bridge super and substructures and junction boxes
- Designed various retaining walls, including a 100+ foot long drill shaft cantilever wall for railway design
- Assisted with reviewing shop drawings for conformance with design drawings and back-checking comments and redlines for structural design submittals in Bluebeam
- Assisted with Finite Element Modeling of large scale bridge structures in STAAD and OpenBridge
- Performed site inspections for concrete structures and develop inspection reports

Intern, Hargrave Electric, Summer 2020

- Specialized in working with AutoCAD, by making DWG files that can be used as backgrounds by electricians
- Communicated between the architects and electricians to ensure proper standards were followed
- Served under a Senior Electrical Designer as his personal intern and shadow him during the design-build process

LEADERSHIP

President, Alpha Delta Pi Sorority, Fall 2020- Fall 2021

- Served as the liaison between our local chapter and the International Organization, as well as between our chapter and the Collegiate Panhellenic Council at Texas A&M
- Supervised the Executive Board, 40 officers, and all 250 chapter members and ensured that all policies and procedures were implemented and followed
- Proactive in the advancement of the chapter and welfare of members, especially during COVID-19

Vice President of Recruitment and Marketing, Alpha Delta Pi Sorority, Fall 2019-Fall 2020

- Oversaw both formal and open recruitment, including the planning of events, running of training workshops, analyzing the recruitment statistics, and managing the budget
- Created marketing plans, ran social media accounts, designed merchandise, and implementing current trends
- Created and designed virtual recruitment strategies that were implemented nationally for all 160 ADPi chapters
- Produced and lead an international lesson over zoom for virtual recruitment strategies

Community Service Chair, Alpha Delta Pi Sorority, Fall 2018- Fall 2019

- Focused on community outreach and working specifically with the Ronald McDonald House Charities
- Organized and coordinated plans for the Big Event, ensuring that all teams were at the work sites

PROJECTS

CVEN 473. ENGR Project Planning and Estimating

- Developed a project planning packet, including the WBS, OBS, RACI, schedule, cost estimation using programs like Microsoft Projects
- Prepared a bid package and held a mock bid opening

CVEN 483. Analysis and Design of Structures

- Designed and analyzed structural elements under IBC building codes
- Developed a building structures with the supervision of Walter P. Moore using ETABs and other analysis

ORGANIZATIONS

Order of Omega, Fall 2020- Spring 2022

- A greek honor society that promotes scholarship and interfraternal relationships

American Society of Civil Engineers Fall 2019-present

- Attend bi-weekly meetings to meet with different individuals in the industry

TECHNICAL SKILLS

- Proficient in Adobe Suite (Specifically Adobe InDesign, Illustrator, Photoshop, Premiere Pro, XD)
- Proficient with AutoCAD, ETABs, STAAD, OpenBridge, Infraworks, ArcGIS, Microstations, Lpile, SPcolumn, ASDip
- Proficient with Microsoft service, MathCAD, Bluebeam
- Familiar with programming languages Java, HTML, CSS, Python, MATLAB, R, and Arduino